

Date: January 29, 2014

Division of Water Quality
C/O DMR Processing Center
P.O. Box 100
Sacramento, CA 95812-1000



Facility Name: Carmel Area Wastewater District

Address (mailing): P.O. Box 221428, Carmel, CA 93922

Address (shipping): Highway One & Carmel River, Carmel, CA 93923

Contact Person: James Pinkevich

Job Title: Superintendent

Phone Number: 831-624-1248

WDR/NPDES Order Number: #R3-2008-0007 (NPDES PERMIT – CA0047996)

WDID Number: 3 270101001

Type of Report (circle one): Monthly Quarterly Semi-Annual Annual

Month(s) (circle applicable Jan Feb March Apr May Jun
Months*): Jul Aug Sept Oct Nov Dec

* Annual Reports (circle the first month of the reporting period)

Year: 2013

Violation(s): No (there are no violations to report) Yes
If Yes is marked (complete a-g):

a) Parameter(s) in Violation: n/a

b) Section(s) of WDR/NPDES Violated: n/a

c) Reported Value(s): n/a

d) WDR/NPDES Limit Condition: n/a

e) Dates of Violation(s): n/a
(reference page of report/data sheet)

f) Explanation of Cause(s): n/a
(attach additional information as needed)

g) Corrective Action(s): n/a
(attach additional information as needed)

In accordance with the Standard Provisions and Reporting Requirements, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system or those directly responsible for data gathering, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

If you have any questions or require additional information, please contact me at the number provided above.

Sincerely,



James Pinkevich
Superintendent

SENIORITY DISTRIBUTION & CERTIFICATION LEVELS OF
CAWD TREATMENT PLANT PERSONNEL

2013

Name	Position	Certification Level Maintained
James Pinkevich	Plant Superintendent	IV
Kevin Young	Operations Supervisor	IV
Lawrence Brown	Operator	III
Joesph Gregory	Compliance Officer	III
Christian Schmidt	Senior Operator	III
Christopher Dixon	Operator II	III
Michael Garrison	Operator I	I
Michael Hooks	Operator OIT/I	OIT/I
Charles DayEngel	Operator OIT/I	OIT/I
Matthew Bonacorso	Operator OIT/I	OIT/I

**CARMEL AREA WASTEWATER DISTRICT
2013 EFFLUENT NITROGEN SPECIES ANALYSIS**

Month	Nitrate mg/l	Ammonia - N mg/l	Toxicity Conc TU a	Toxicity Conc TU c	
January	6.9	9.1			
February	15.2	3			
March	82.3	26.3			
April	73.1	17.2	0.4	25.0	
May	85.9	25			
June	75.7	18.2			
July	0.0	0			
August	59.1	29.6			
September	83.3	43	0.8	100.0	
October	87.7	16.5			
November	36.6	10.3			
December	104.4	21.4			

2013 SEMI-ANNUAL EFFLUENT METALS ANALYSIS

Constituent	Units	Mar-13	Sep-13	
Arsenic	ug/l	1.2	0.59	
Cadmium	ug/l	ND	ND	
Chromium	ug/l	1.2	ND	
Copper	ug/l	26.0	13.0	
Lead	ug/l	ND	ND	
Mercury	ug/l	ND	ND	
Nickel	ug/l	9.2	ND	
Silver	ug/l	ND	ND	
Zinc	ug/l	310.0	150.0	
Cyanide	ug/l	232.0	86.0	
Phenolic Compounds	ug/l	ND	ND	
Chlorinated Phenols	ug/l	ND	ND	
Aldrin	ug/l	ND	ND	
Dieldrin		ND	ND	
Chlordane	ug/l	ND	ND	
DDT	ug/l	ND	ND	
DDE	ug/l	ND	ND	
DDD	ug/l	ND	ND	
Endrin	ug/l	ND	ND	
Gamma BHC HCH	ug/l	ND	ND	
PCB's	ug/l	ND	ND	
Toxaphene	ug/l	ND	ND	

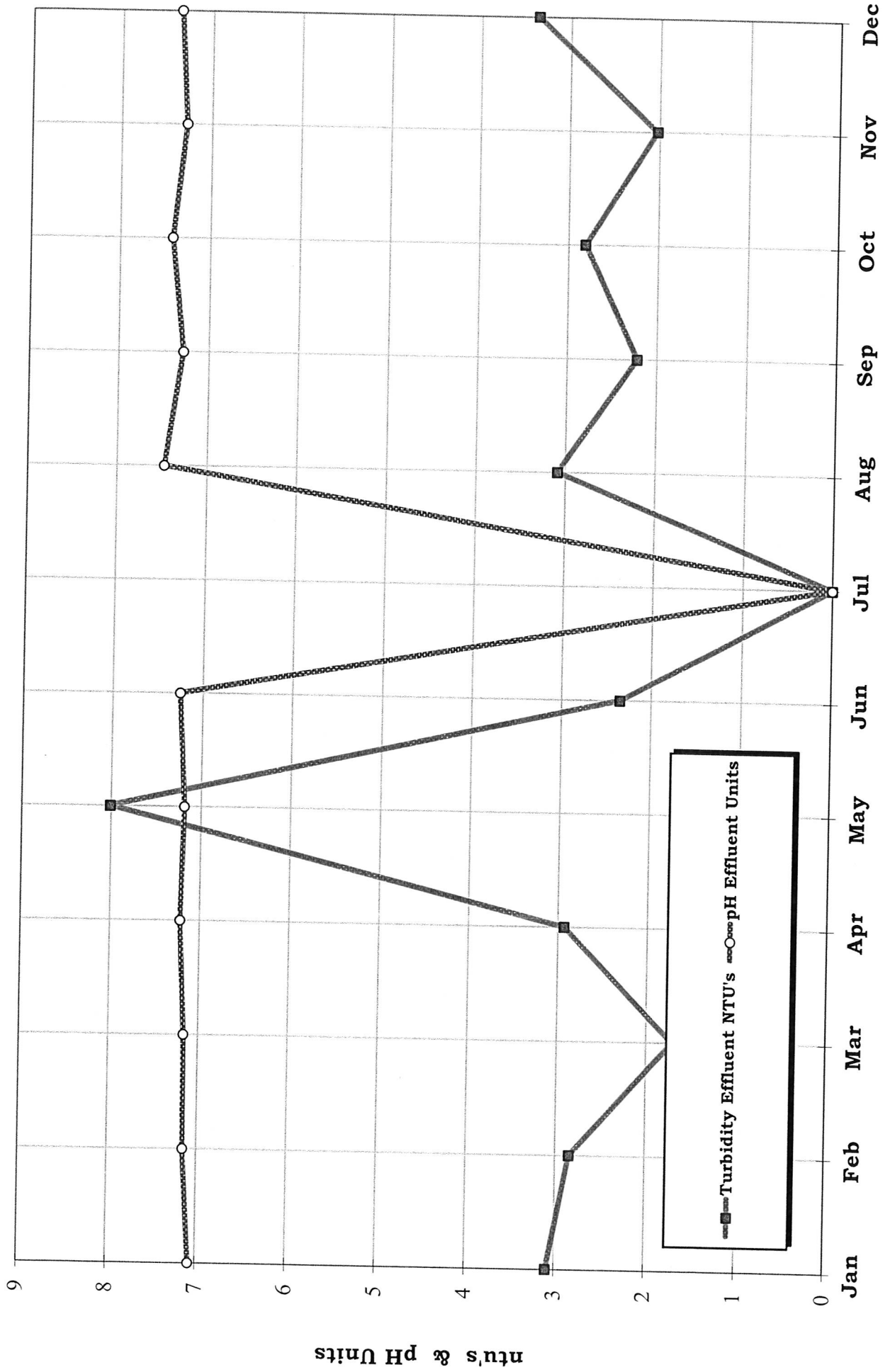
* Results listed as "ND" were not detected at or above the listed PQL (Practical Quantitation Limit).

TABULAR SUMMARY OF 2013 NPDES REPORTABLE DATA

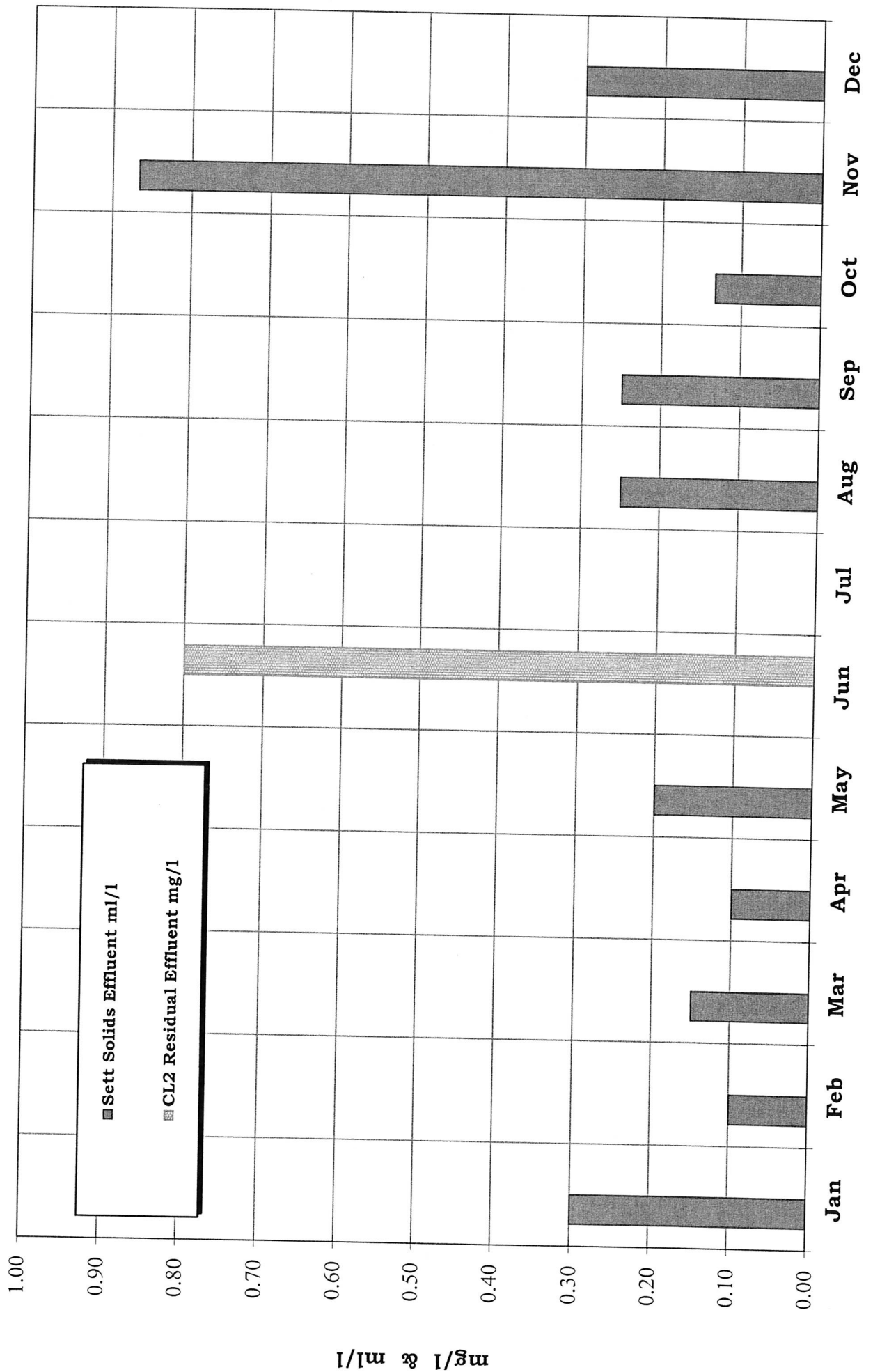
Month	Influent Flows			BOD			Suspended Solids			Sett Solids Effluent ml/l	CL2 Residual Effluent mg/l	Removal Efficiency		Turbidity Effluent NTU's	pH Effluent Units	O&G		Ammonia Effluent mg/l	Nitrate Effluent mg/l
	Total	CAWD total	PBCSD total	Influent mg/l	Effluent mg/l	Effluent kg/day	Influent mg/l	Effluent mg/l	Effluent kg/day			BOD %	S.S. %			Effluent mg/l	Effluent kg/day		
Jan	45,435	34,917	10,518	279.4	9.2	33	726.8	6.5	23	0.30	0.000	96.7	99.1	3.1	7.1	0.0	0.0	9.1	6.9
Feb	37,165	24,189	12,976	358.8	6.8	13	663.0	5.7	11	0.10	0.000	98.1	99.1	2.8	7.2	0.0	0.0	3.0	15.2
Mar	41,444	27,820	13,624	373.5	11.0	14	916.5	4.3	5	0.15	0.000	97.1	99.5	1.7	7.2	0.0	0.0	26.3	82.3
Apr	38,622	26,477	12,145	429.8	7.8	10	549.5	5.9	7	0.10	0.000	98.2	98.9	2.9	7.2	0.0	0.0	17.2	73.1
May	39,788	27,824	11,964	374.2	13.4	24	545.2	15.2	27	0.20	0.000	96.4	97.2	8.0	7.2	0.0	0.0	25.0	85.9
Jun	38,433	27,426	11,007	344.5	4.3	3	481.0	6.8	4	0.00	0.800	98.7	98.6	2.4	7.3	0.0	0.0	18.2	75.7
Jul	41,841	29,722	12,119	347.3	0.0	0	382.5	0.0	0	0.00	0.000	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	42,732	30,181	12,551	343.0	15.0	20	605.6	6.9	9	0.25	0.000	95.6	98.9	3.1	7.5	0.0	0.0	29.6	59.1
Sep	38,577	27,688	10,889	323.3	11.5	13	442.0	5.9	7	0.25	0.000	96.4	98.7	2.2	7.3	0.0	0.0	43.0	83.3
Oct	38,032	26,555	11,477	350.6	6.2	8	471.2	7.3	9	0.13	0.000	98.2	98.4	2.8	7.4	0.0	0.0	16.5	87.7
Nov	35,924	25,406	10,518	338.0	3.5	4	847.6	5.9	7	0.87	0.000	99.0	99.3	2.0	7.3	0.0	0.0	10.3	36.6
Dec	37,970	26,920	11,050	341.5	8.8	11	504.0	8.1	10	0.30	0.000	97.4	98.4	3.4	7.3	0.0	0.0	21.4	104.4

Month	Effluent Temp Deg. F.	Sludge Cake Total Cu.Ydis.	Effluent Coliform Bacteria mpm/100 ml	Total Coliform						Fecal Coliform						Enter. Org.						Urea Effluent mg/l	Silicate Effluent mg/l			
				K-4 mpm/100 ml	K-5 mpm/100 ml	K-6 mpm/100 ml	K-4 mpm/100 ml	K-5 mpm/100 ml	K-6 mpm/100 ml	K-4 mpm/100 ml	K-5 mpm/100 ml	K-6 mpm/100 ml	K-4 mpm/100 ml	K-5 mpm/100 ml	K-6 mpm/100 ml	K-4 mpm/100 ml	K-5 mpm/100 ml	K-6 mpm/100 ml								
Jan	61.2	149.8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.043	26.00
Feb	61.5	131.0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.048	24.00
Mar	63.2	84.2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.117	74.00
Apr	63.5	238.3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.088	80.00
May	70.0	129.3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.096	89.00
Jun	71.0	155.4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.079	89.00
Jul	71.5	181.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.00
Aug	71.9	186.4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.102	79.00
Sep	72.1	193.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.106	75.00
Oct	69.7	115.6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.099	79.00
Nov	67.6	171.8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.056	30.00
Dec	63.0	117.8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.108	69.00

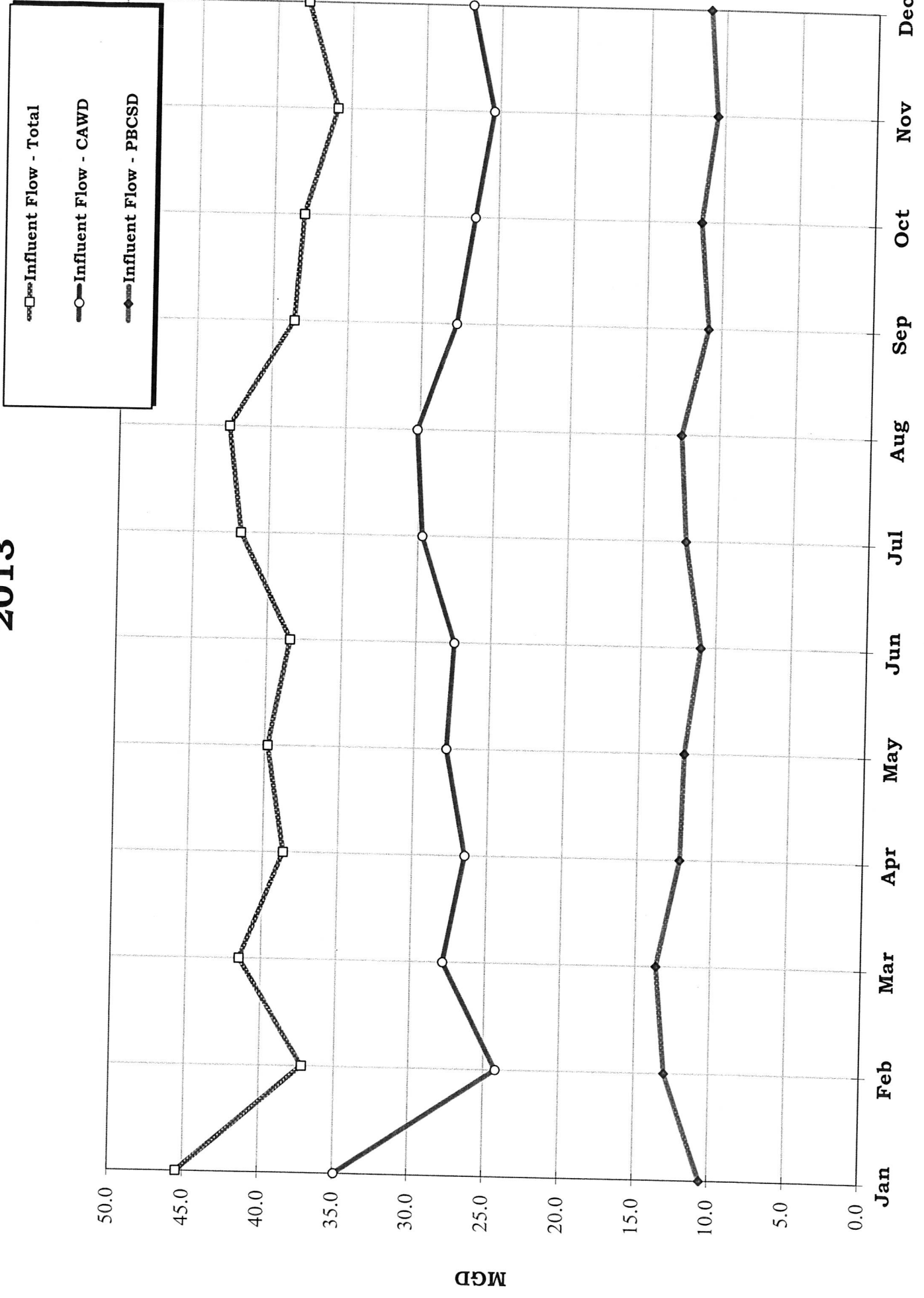
Effluent Turbidity and pH 2013



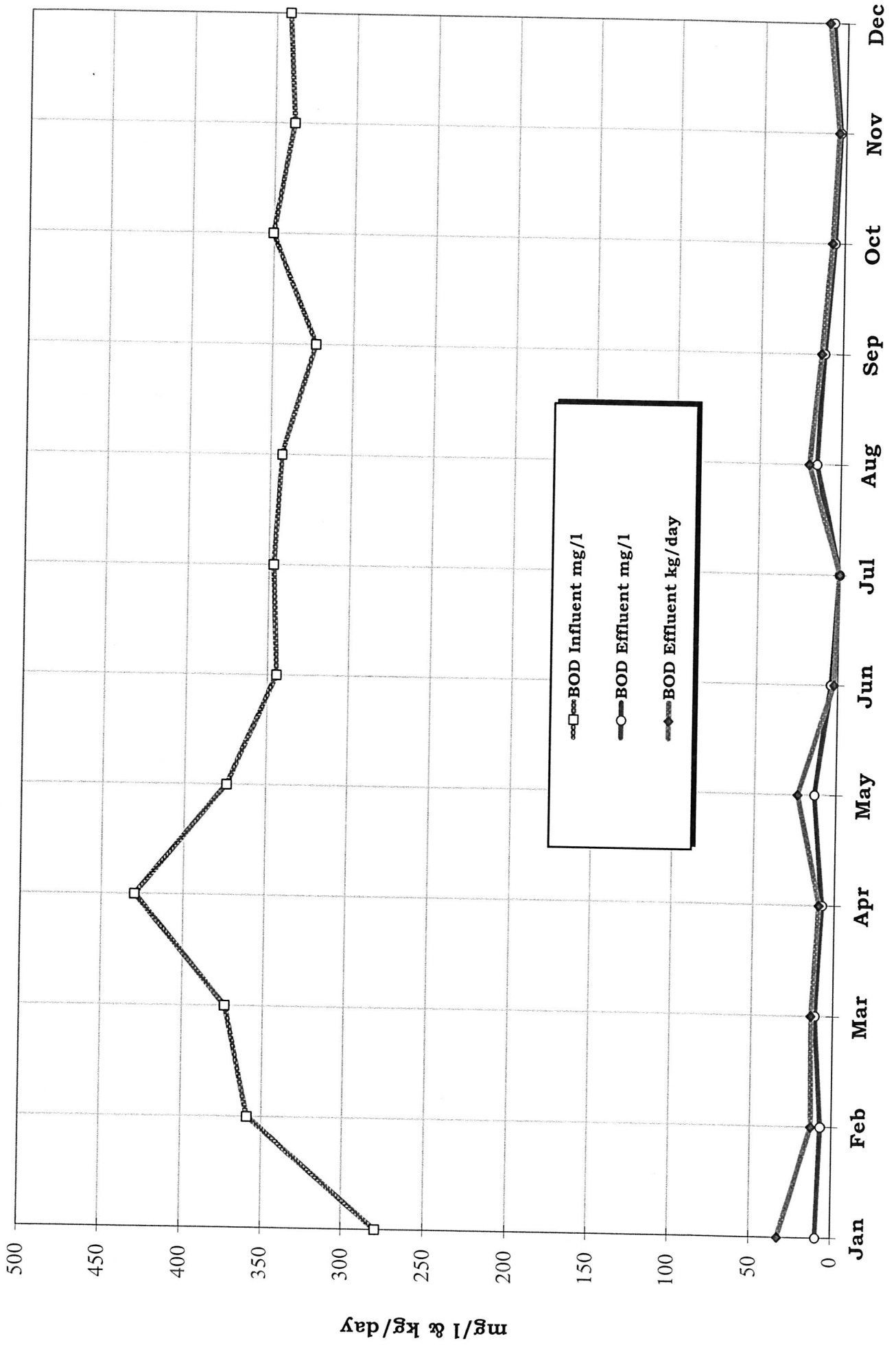
Effluent Sett Solids & Chlorine Residual 2013



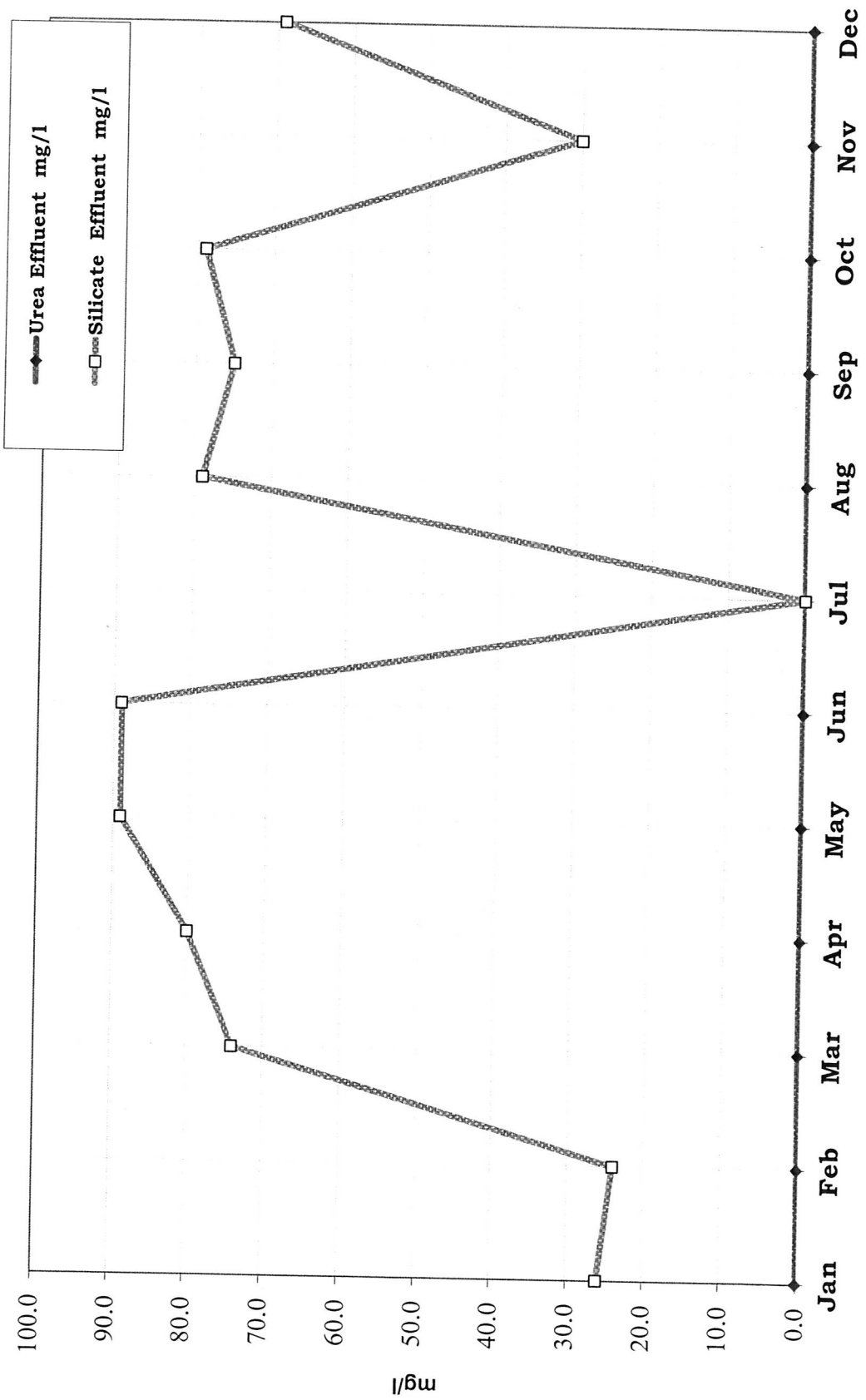
Influent Flows 2013



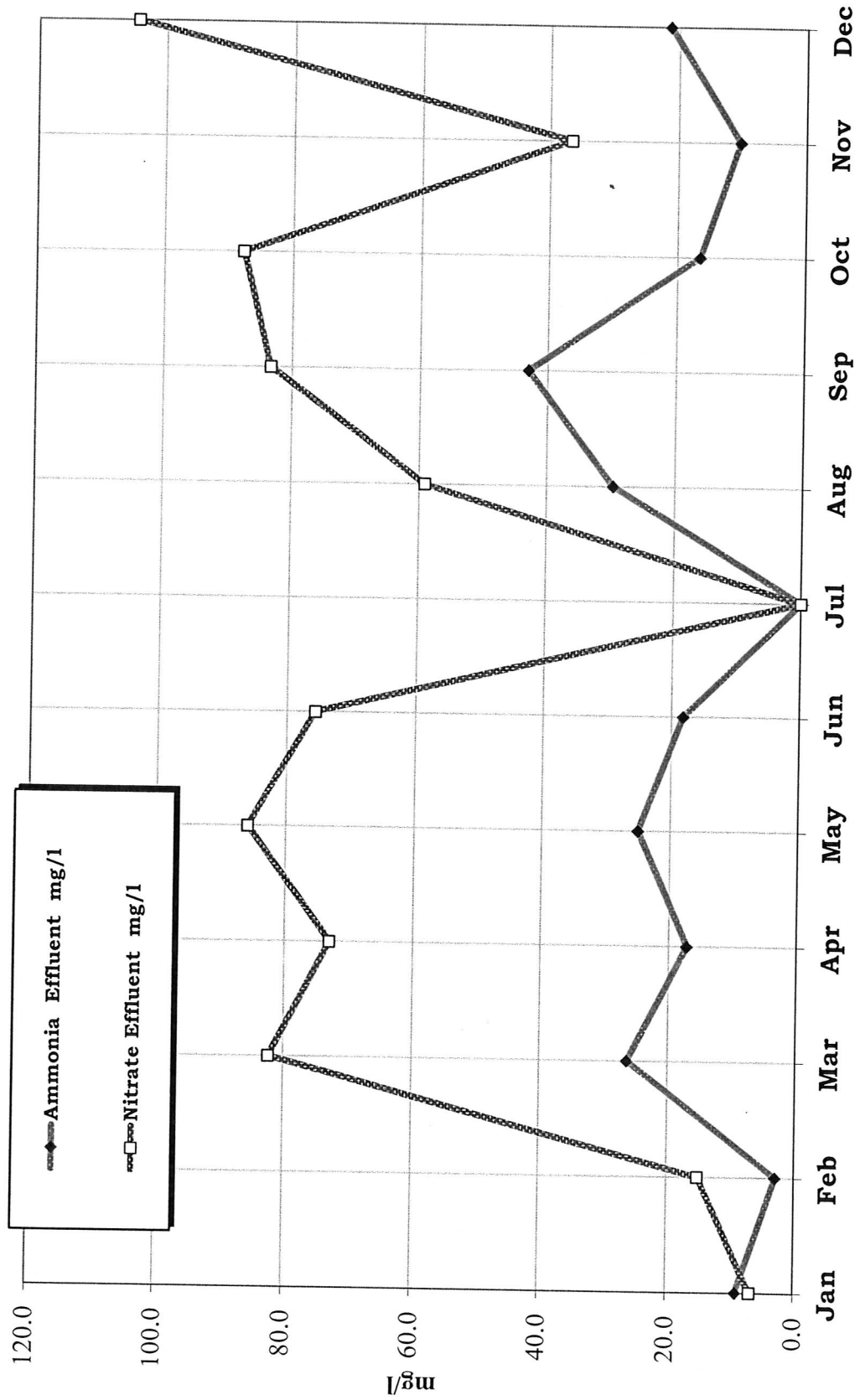
Influent / Effluent BOD 2013



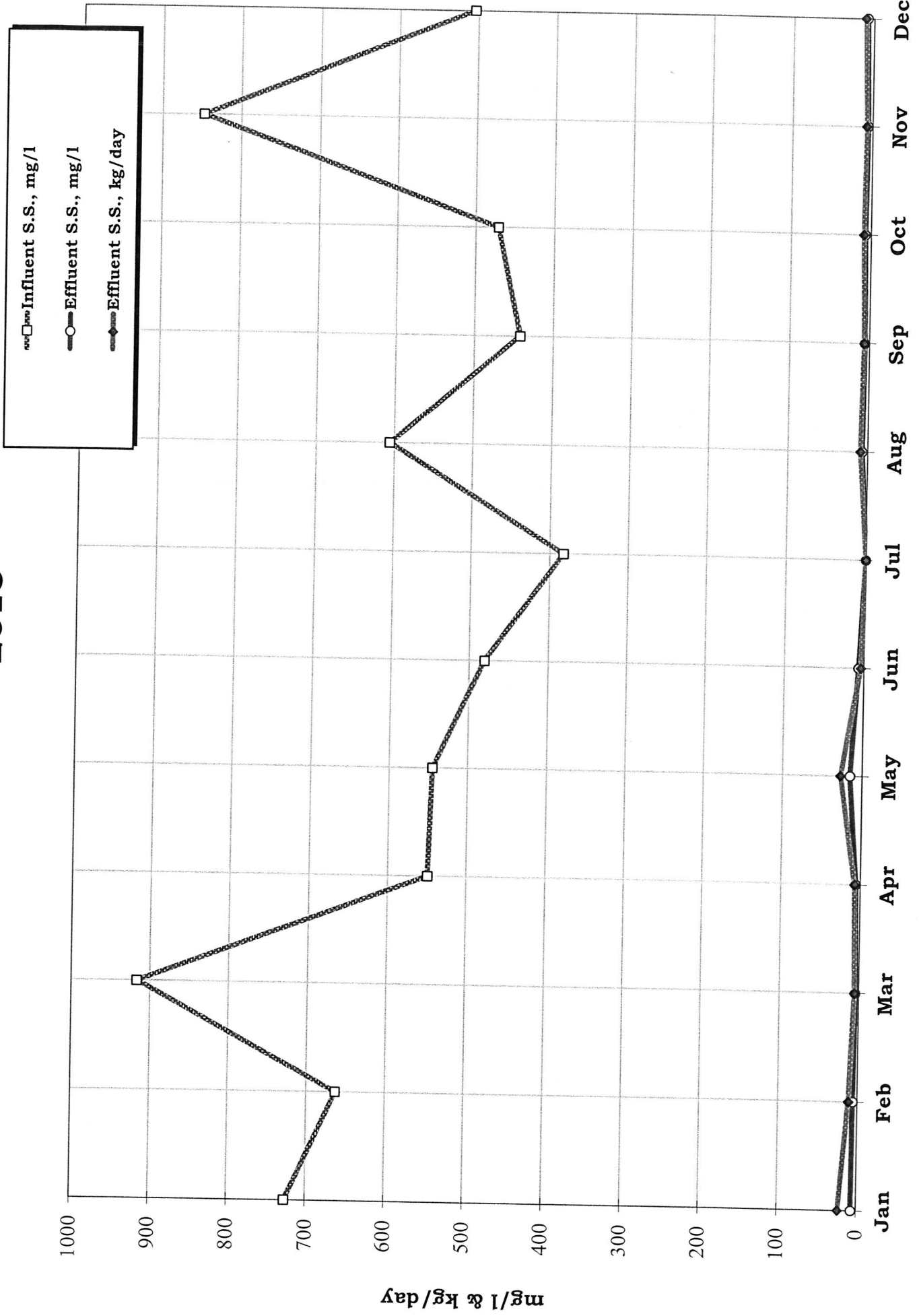
Effluent Urea / Silicate 2013



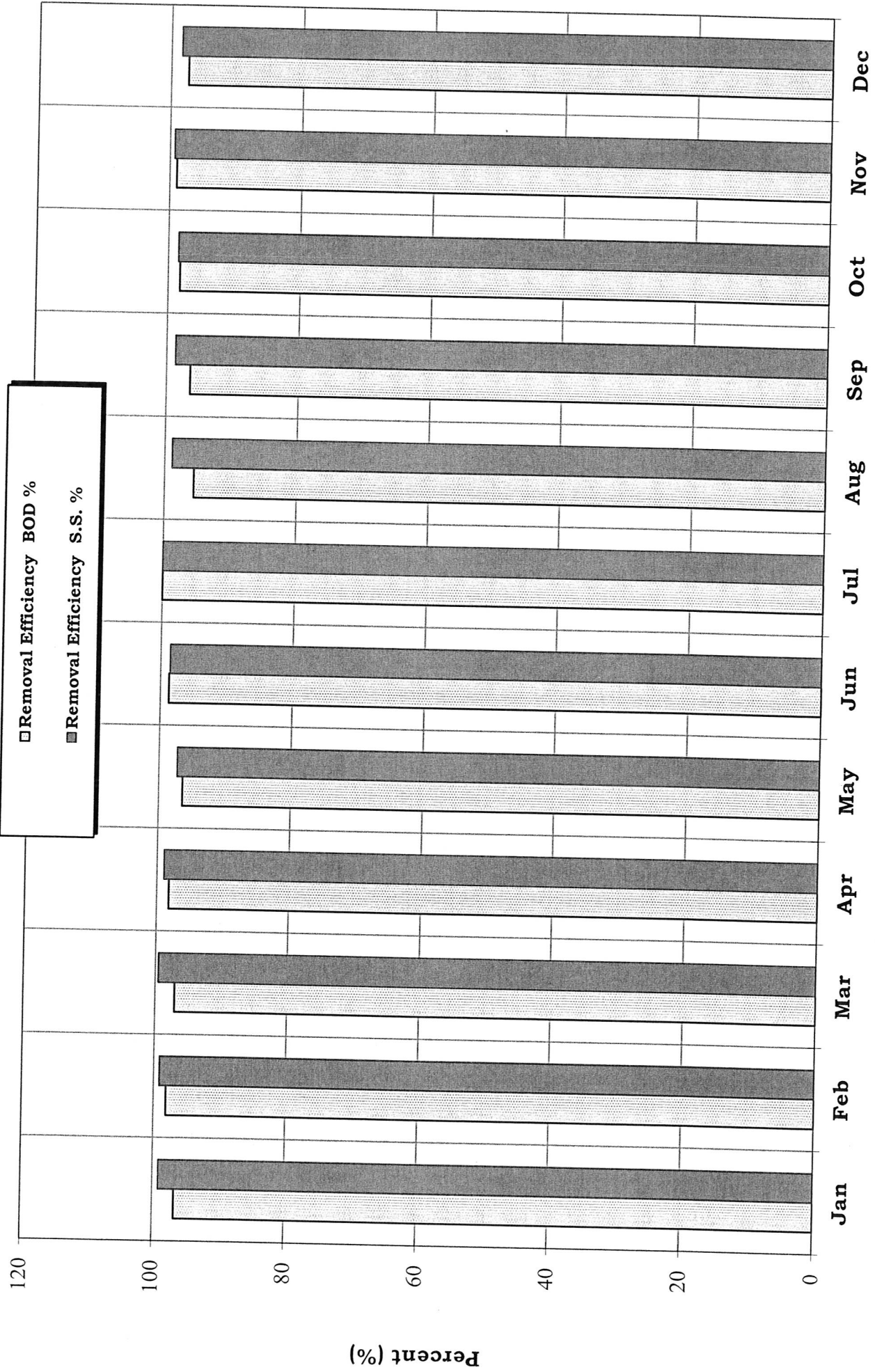
Effluent Ammonia / Nitrogen 2013



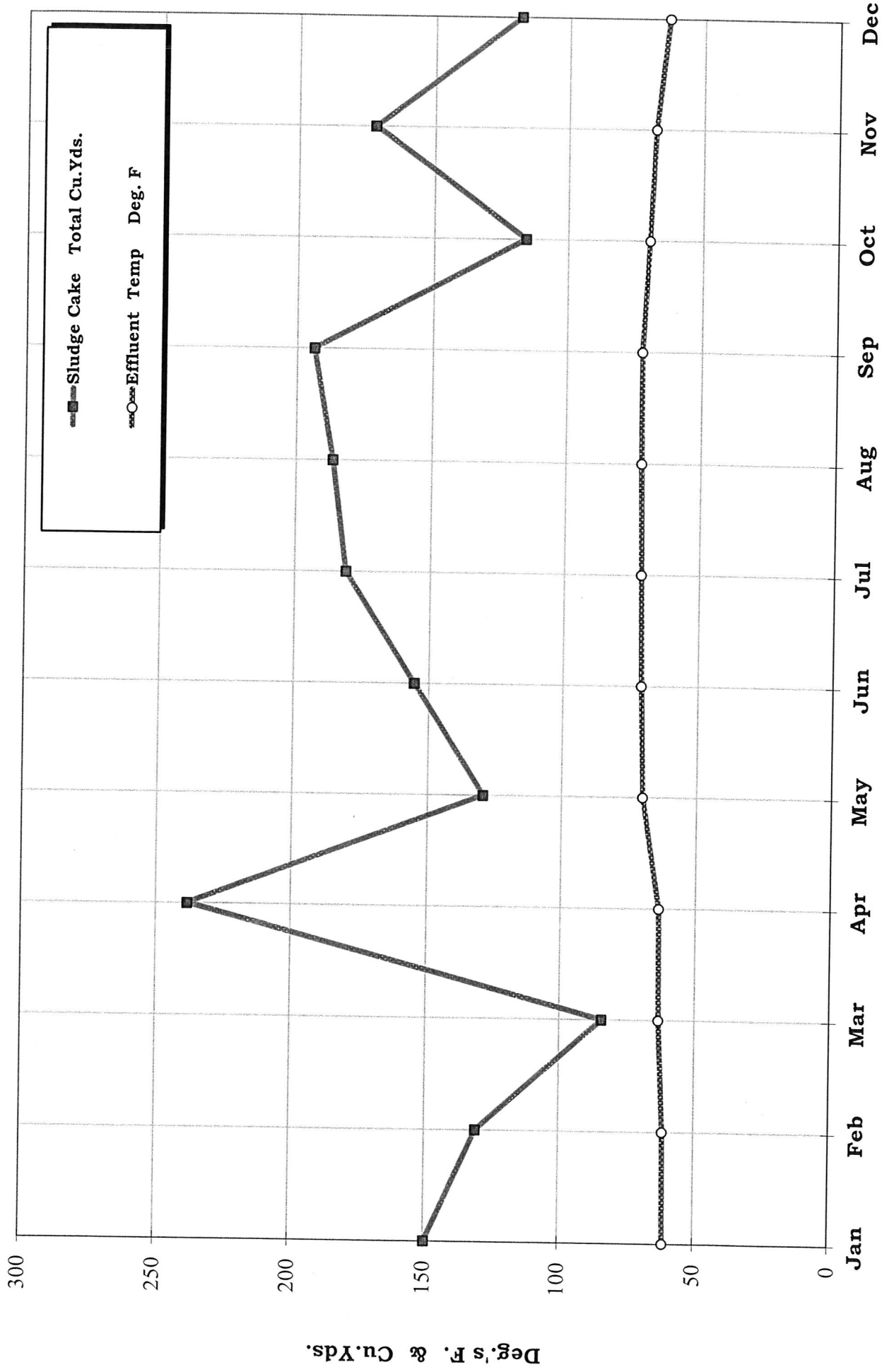
Influent / Effluent S.S. 2013



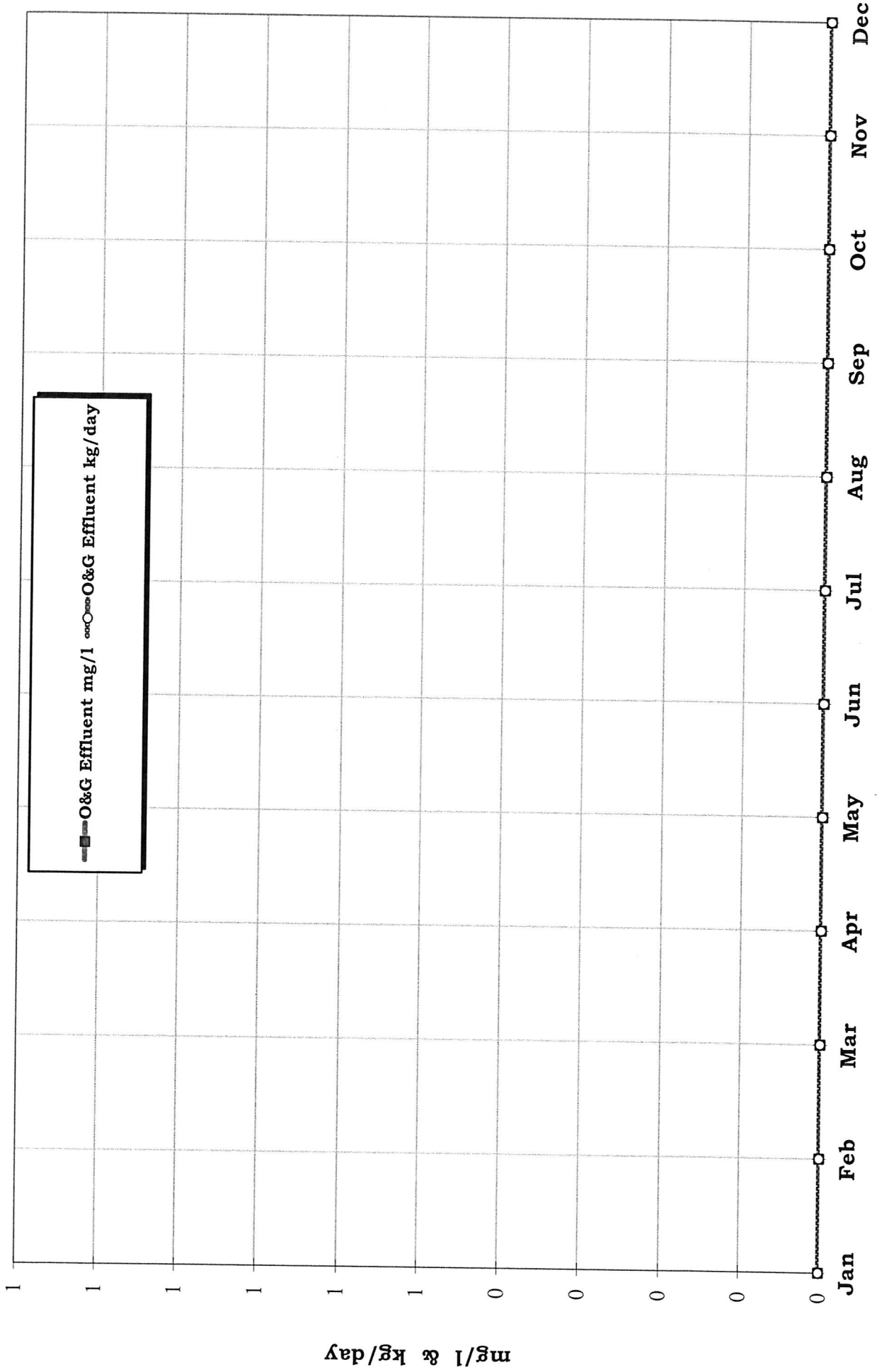
Effluent BOD & S.S Removal Efficiency 2013



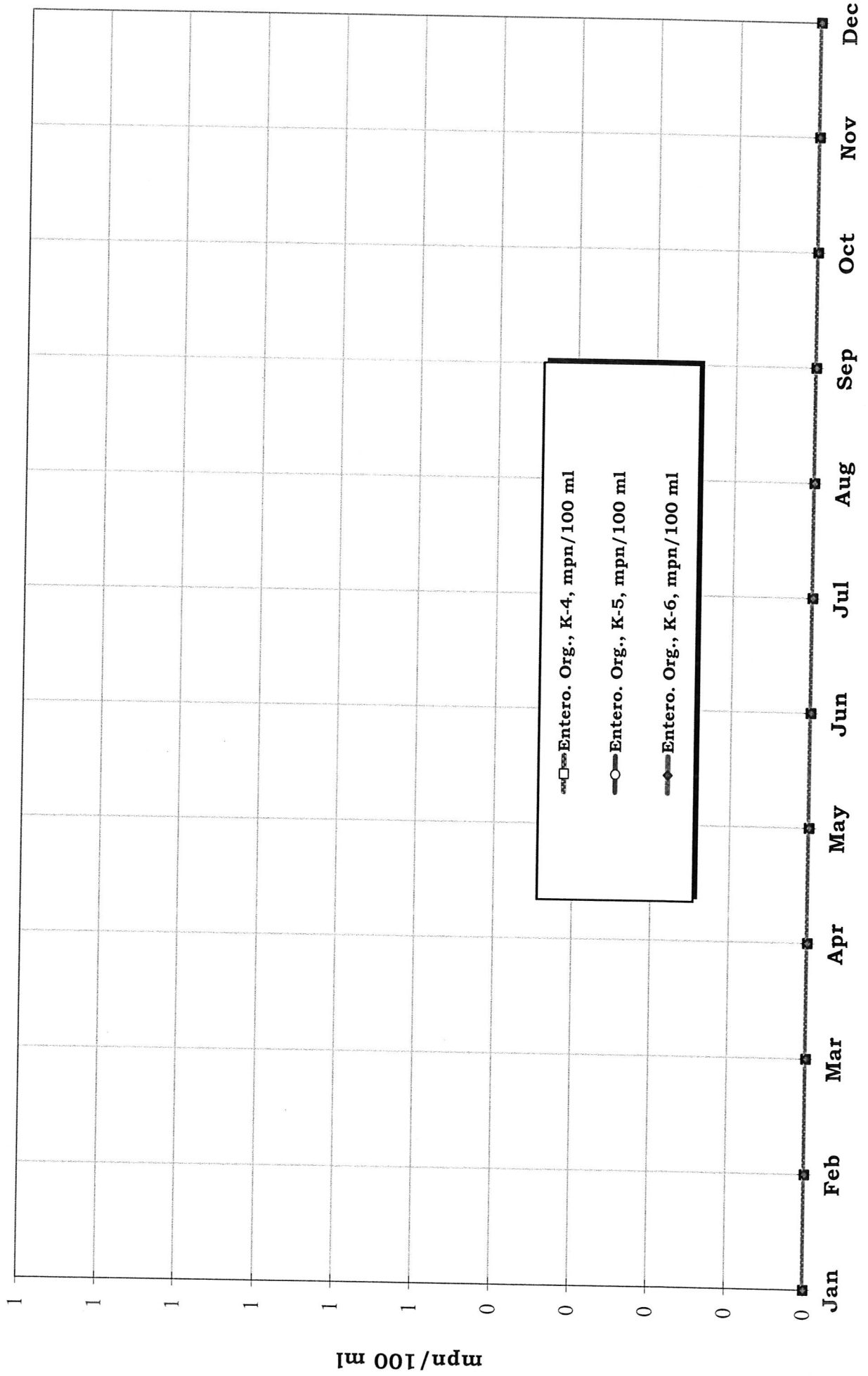
Effluent Temperature & Sludge Hauling 2013



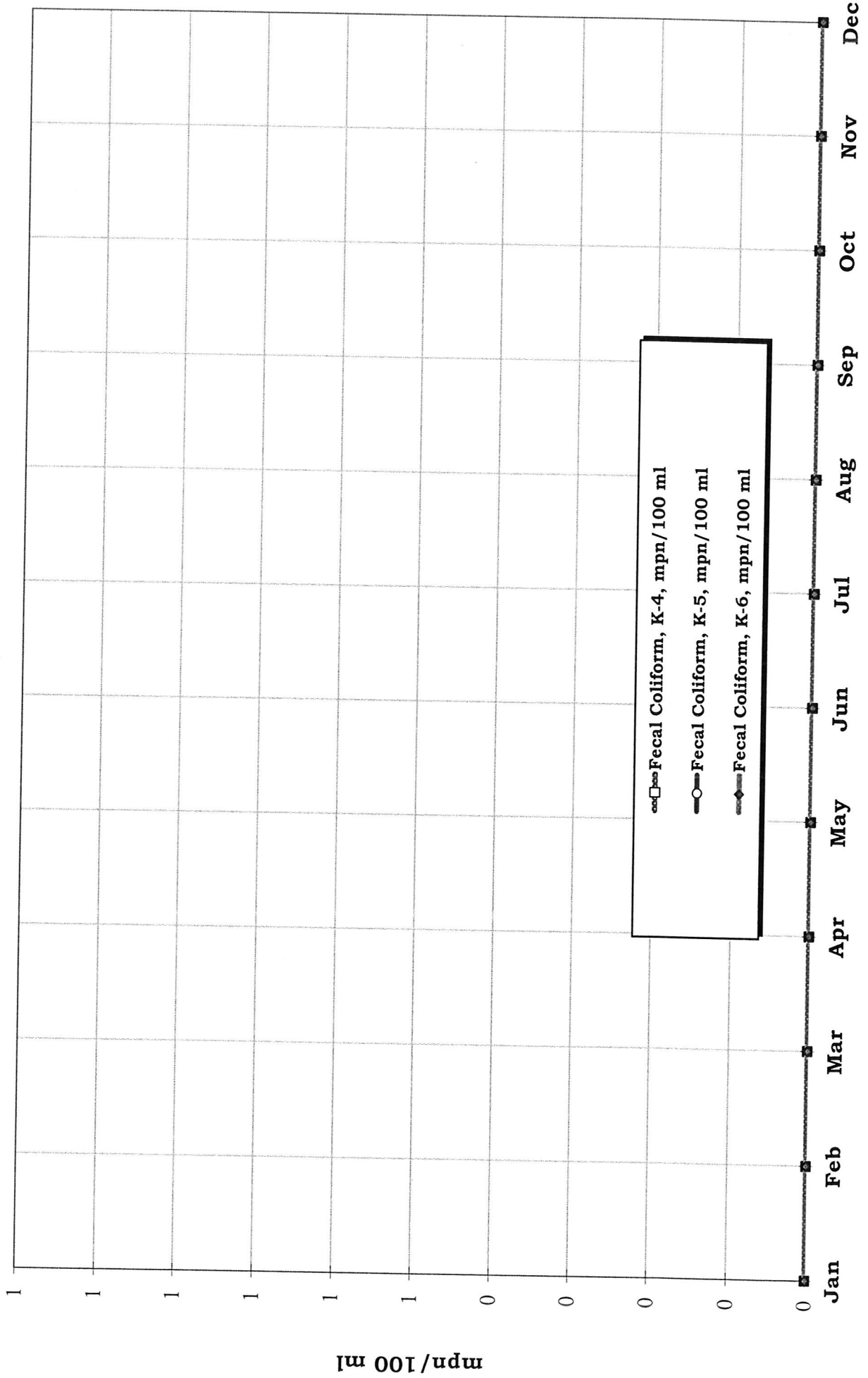
Effluent Oil & Grease 2013



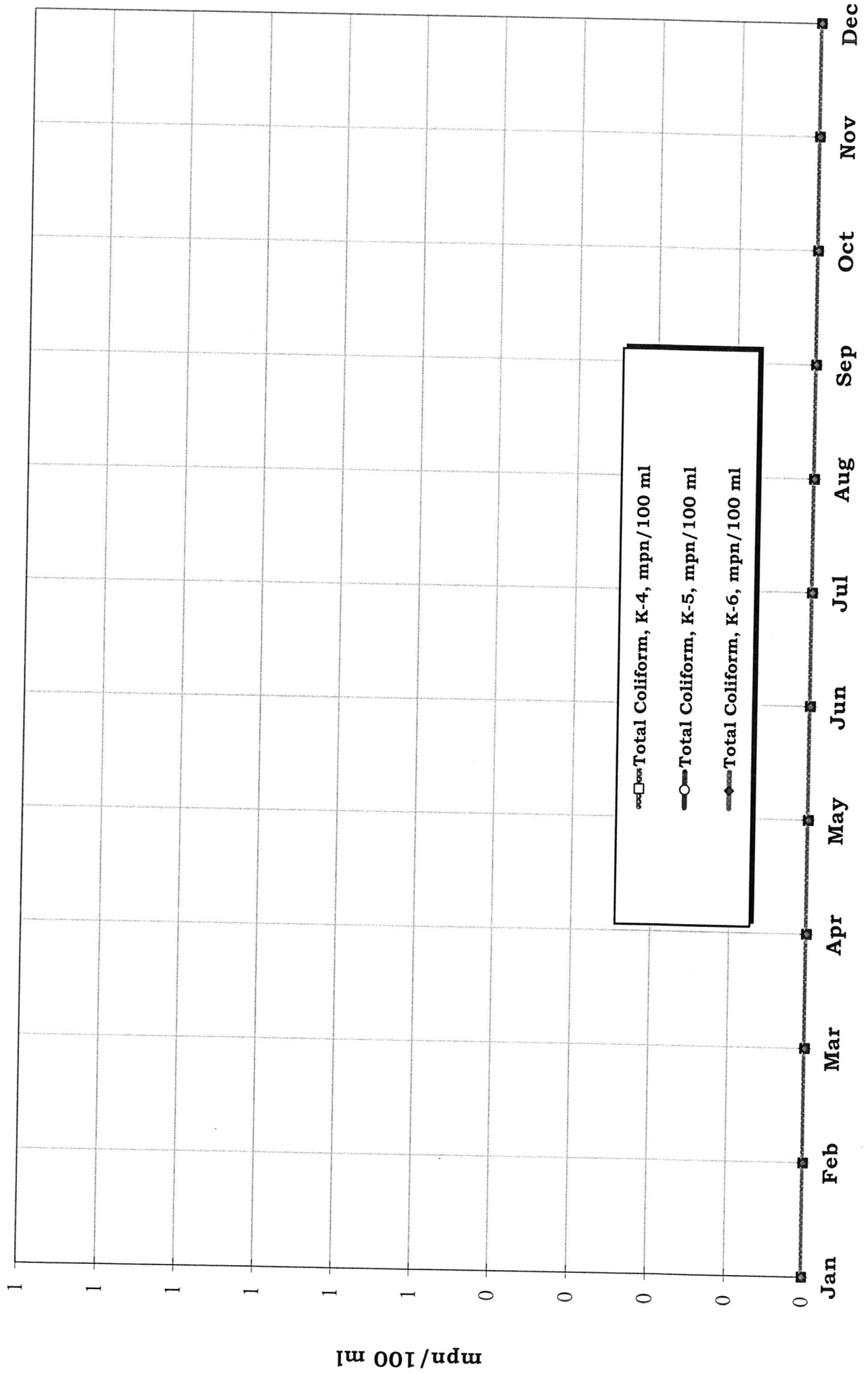
Receiving Water - Enterococcus Organisms Monthly Maximum 2013



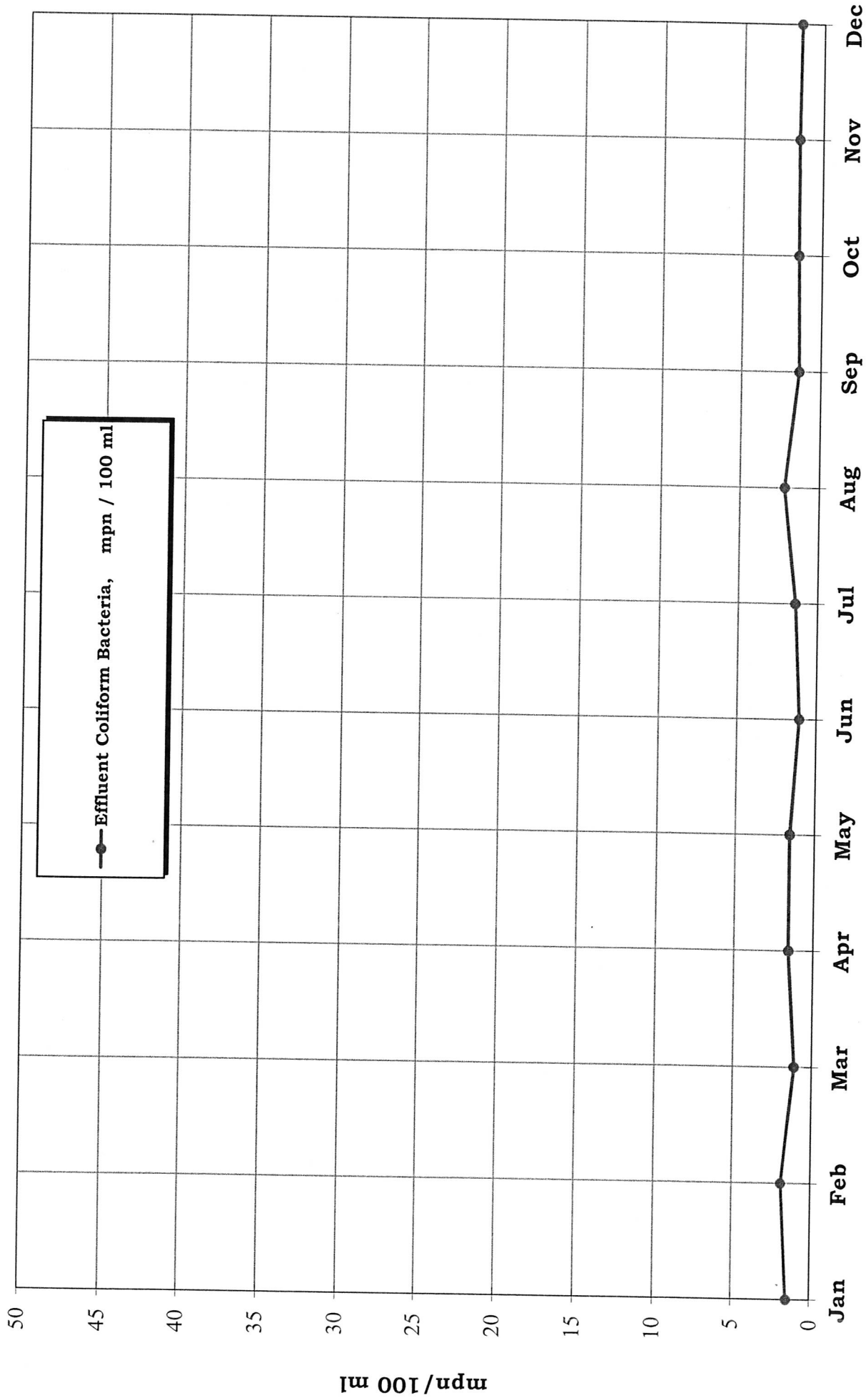
Receiving Water - Fecal Coliform Monthly Maximum 2013



Receiving Water - Total Coliform Monthly Maximum 2013



Effluent Coliform Monthly Maximum Seven-Day Sample Median 2013

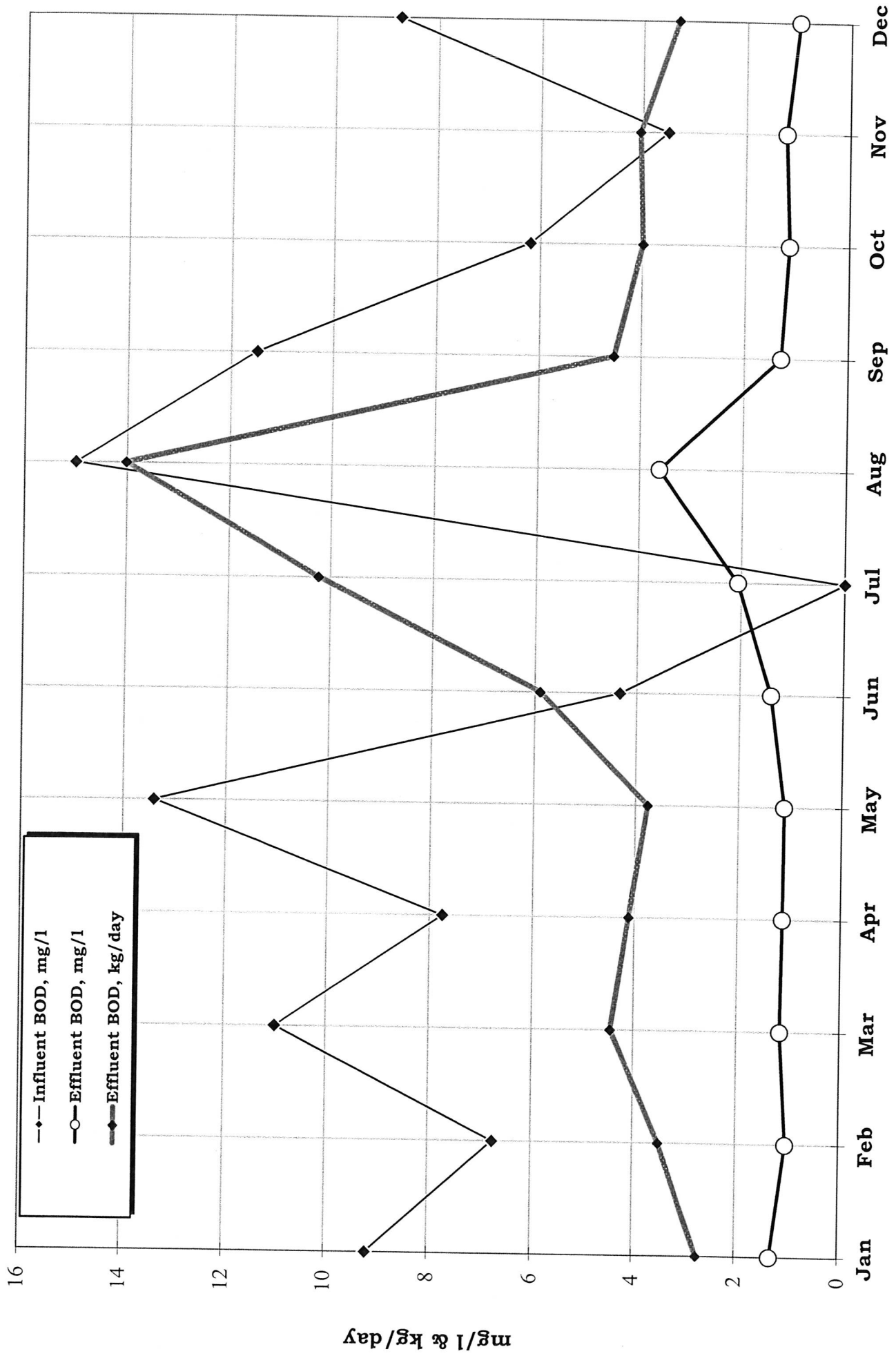


TERTIARY

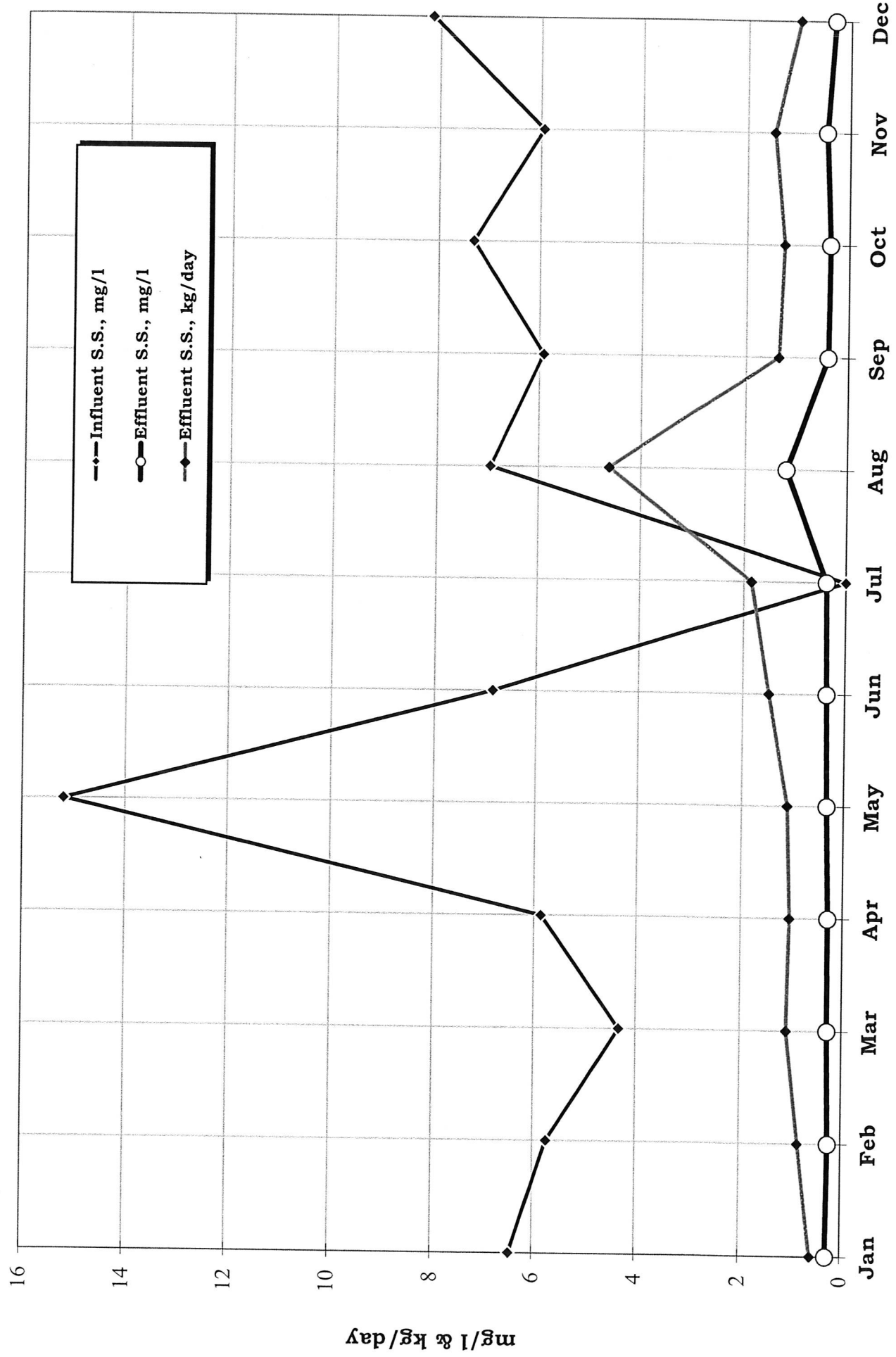
TABULAR SUMMARY OF 2013 NPDES REPORTABLE DATA

Month	Reclaimed Flows		BOD		Suspended Solids			Sett Solids Effluent ml/l	CL2 Residual Effluent ml/l	Removal Efficiency		Turbidity Effluent NTU's	pH Effluent Units	Total Coliforms mpn / 100 ml
	Total Flow	Daily Avg	Influent mg/l	Effluent mg/l	Influent mg/l	Effluent mg/l	Effluent kg/day			BOD %	S.S. %			
Jan	17.049	0.550	9.2	1.3	6.5	0.3	0.6	0.00	8.0	85.6	95.6	0.02	7.3	0.0
Feb	24.099	0.893	6.8	1.0	5.7	0.3	0.8	0.00	7.9	84.6	95.6	0.02	7.2	0.0
Mar	31.441	1.014	11.0	1.2	4.3	0.3	1.1	0.00	8.3	89.4	93.4	0.02	7.2	0.0
Apr	28.827	0.961	7.8	1.1	5.9	0.3	1.0	0.00	7.8	85.4	95.1	0.02	7.3	0.0
May	23.107	0.889	13.4	1.1	15.2	0.3	1.1	0.00	7.2	91.6	97.8	0.02	7.3	1.0
Jun	33.451	1.115	4.3	1.4	6.8	0.4	1.5	0.00	7.0	67.7	94.8	0.02	7.5	13.2
Jul	40.656	1.311	0.0	2.1	0.0	0.4	1.9	0.00	7.3	0.0	0.0	0.02	7.5	0.0
Aug	31.829	1.027	15.0	3.6	6.9	1.2	4.6	0.00	7.5	75.9	82.9	0.02	7.3	0.0
Sep	27.673	0.922	11.5	1.3	5.9	0.4	1.4	0.00	7.7	88.7	93.4	0.02	7.4	0.0
Oct	28.156	0.908	6.2	1.2	7.3	0.4	1.3	0.00	7.9	81.3	95.0	0.02	7.2	0.0
Nov	26.089	0.870	3.5	1.2	5.9	0.4	1.5	0.00	7.9	64.8	92.5	0.02	7.3	0.0
Dec	27.074	0.873	8.8	1.0	8.1	0.3	3.3	0.00	7.9	88.6	96.4	0.02	7.3	0.0

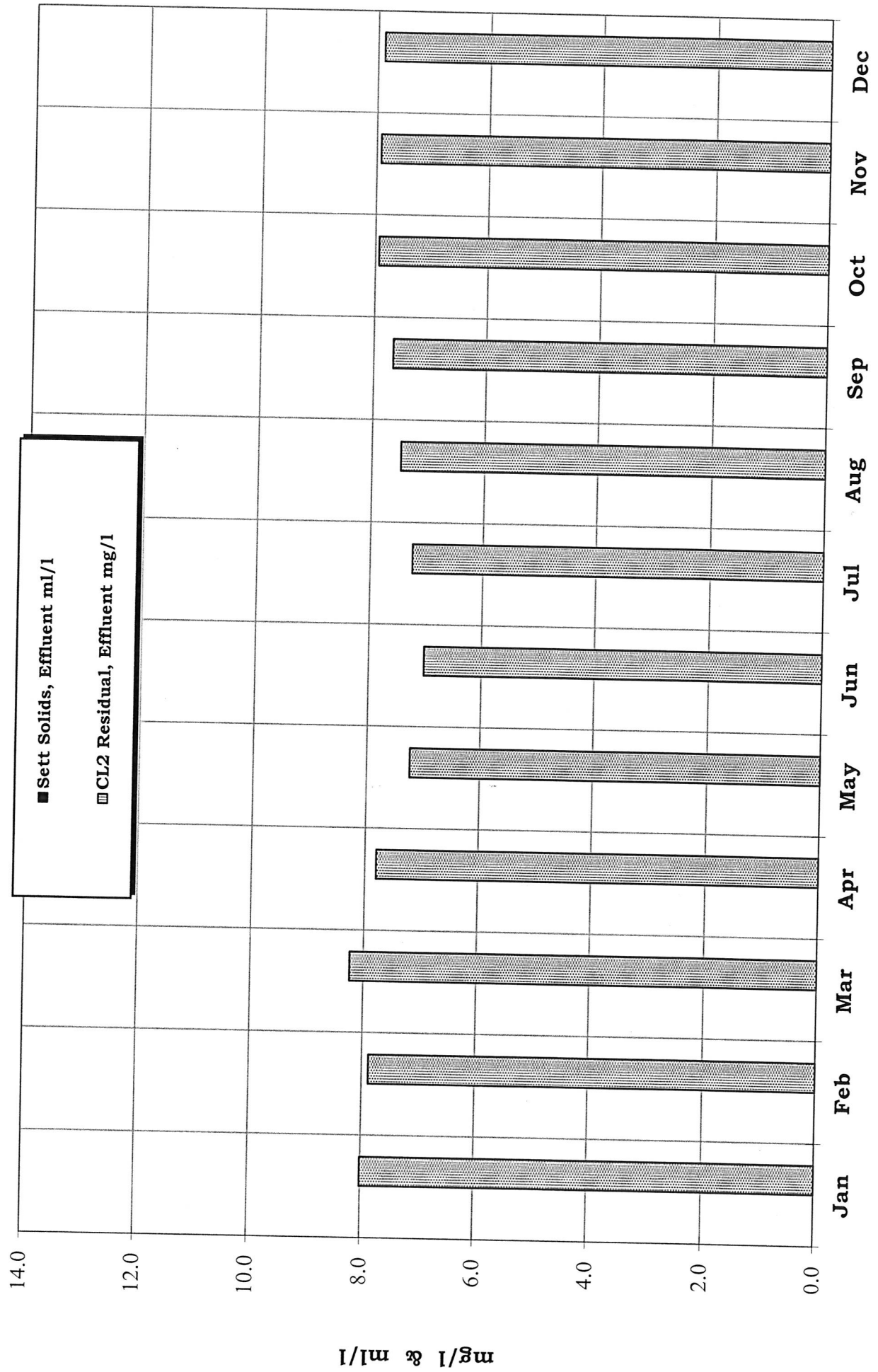
Tertiary Influent / Effluent BOD 2013



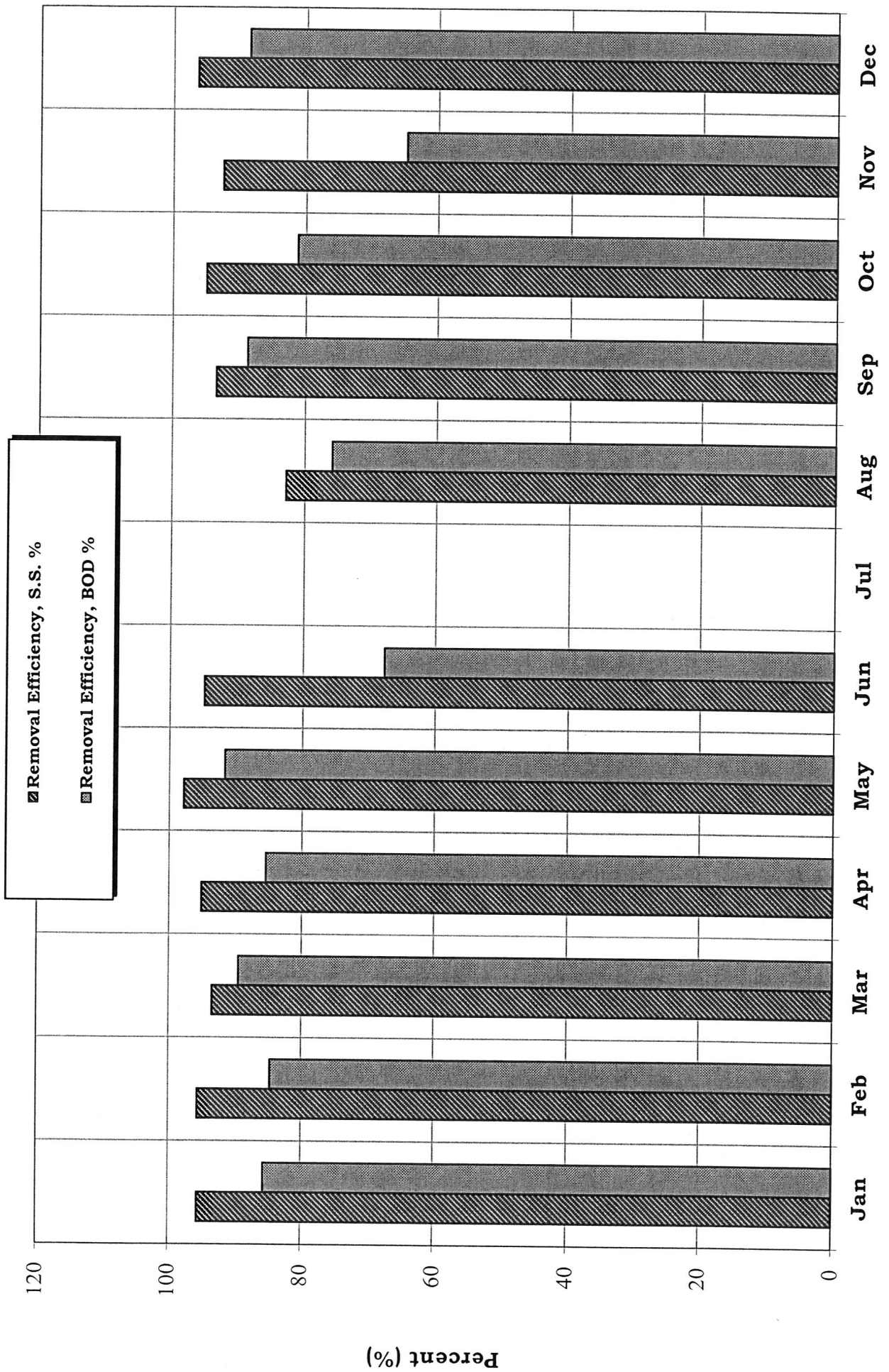
Tertiary Influent / Effluent S.S. 2013



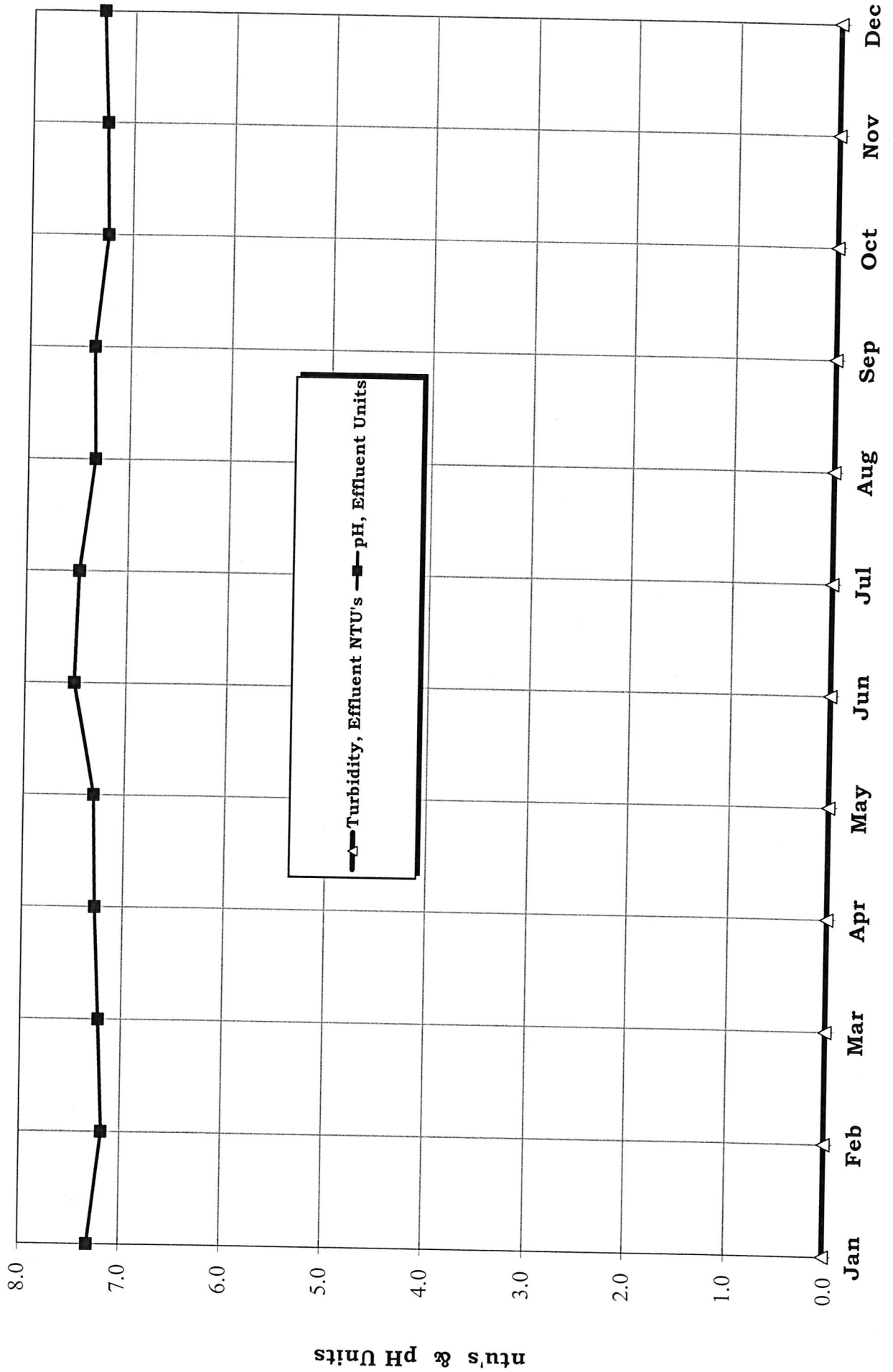
Tertiary Effluent Sett Solids & Chlorine Residual 2013



Tertiary Effluent BOD & S.S Removal Efficiency 2013



Tertiary Effluent Turbidity and pH 2013



Tertiary Total Coliform Monthly Maximum 2013

